

limit switch box

SRBE-CA3-YR90-N-20N-ZC-C2M20-EX

Part number: 3471013

FESTO

For electrical feedback and position monitoring of process valves actuated with pneumatic quarter turn actuators, inductive measuring principle.



Data sheet

| Feature | Value |
|---|--|
| Design | Angular |
| Based on the standard | EN 60947-5-6 ISO 5211 VDI/VDE 3845 |
| Authorization | RCM Mark |
| CE symbol (see declaration of conformity) | according to EU-EMV guideline according to EU-Ex protection guideline (ATEX) in accordance with EU RoHS directive |
| UKCA marking (see declaration of conformity) | To UK instructions for EMC To UK EX instructions To UK RoHS instructions |
| ATEX category Gas | II 2G |
| Explosion ignition protection type Gas | Ex db IIC T6 Gb |
| ATEX category Dust | II 2D |
| Explosion ignition protection type Dust | Ex tb IIIC T...°C Db |
| Explosion protection certification outside the EU | EPL Db (BR) EPL Db (CN) EPL Db (IEC-EX) EPL Db (IN) EPL Db (KR) EPL Gb (BR) EPL Gb (CN) EPL Gb (IEC-EX) EPL Gb (IN) EPL Gb (KR) |
| Explosion-proof ambient temperature | -20°C ≤ Ta ≤ +60°C |
| Max. surface temperature | 61 °C |
| Certificate issuing department | 18-GA4BO-0516X 18-GA4BO-0517X DNV 16.0067X FTZU 15 ATEX 0095X GYJ 16.1497X IECEx FTZU 15.0014X KCC-18-GA4BO |
| Materials note | Conforms to RoHS |
| Safety Integrity Level (SIL) | SIL 2 |
| Measuring principle | Inductive |
| Ambient temperature | -20 ... 60 °C |
| Switch output | NAMUR |
| Switching element function | Normally closed contact |
| Max. output current DC | 3 mA |
| Operating voltage range DC | 8.2 V |
| Electrical connection | 10-pin |

| Feature | Value |
|--|--|
| | Screwed terminal |
| Connectable nominal conductor cross section | 0.25 ... 2.5 mm ² |
| Cable gland connection | M20x1,5 |
| Mounting type | On flange to ISO 5211 With mounting bracket |
| Connection for positioner and position sensor conforms to standard | VDI/VDE 3845 size AA 1 |
| Assembly position | Any |
| Product weight | 1,700 g |
| Housing color | silver |
| Material housing | Die-cast aluminium, painted |
| Material seals | NBR |
| Material shaft | High alloy steel, non-corrosive |
| Material screws | High alloy steel, non-corrosive |
| Material mounting bracket | High alloy steel, non-corrosive |
| Material indicator | PC |
| Material snap ring | High alloy steel, non-corrosive |
| Material disc | High alloy steel, non-corrosive |
| Position indicator | Yellow/red |
| Setting range, angle recording | 0 ... 90 deg |
| Storage temperature | -20 ... 60 °C |
| Protection class | IP67 |
| Shock resistance | Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27 |
| Vibration resistance | Transport application test at severity level 2 in accordance with FN 942017-4 and EN 60068-2-6 |
| PWIS conformity | VDMA24364 zone III |
| Degree of contamination | 3 |